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Fiscal Year 1994

VOLUME VI

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1. The enclosure is forwarded pursuant to the reference. This catalog provides users with a ready source for reviewing major studies performed within the Marine Corps Studies Program. Included is an alphabetical listing of studies by category and a descriptive summary of each study initiated since 1991, indicating its current status (ongoing, completed, or to be initiated during FY94).

2. Users of this catalog are encouraged to submit recommended additions, deletions, and any proposed improvements for the catalog to CG, MCCDC (C 453).

C. G. [Signature]

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## **MARINE CORPS STUDIES CATALOG**

**VOLUME VI - 1991-1994**

### **CHAPTER 1. INTRODUCTION**

**1.1. PURPOSE.** The purpose of the Marine Corps Studies Catalog is to provide a ready source for reviewing studies and analyses that have been undertaken by the Marine Corps or are directly related to the Marine Corps. The Department of Defense (DoD) central data bank, which is maintained by the Defense Technical Information Center (DTIC), is the main DoD source of information for planned, ongoing, and completed studies and analyses. The Marine Corps Studies Catalog is intended to supplement the DTIC data bank; the DTIC data bank and this Marine Corps Studies Catalog should be consulted prior to the initiation of any Marine Corps study or analysis in an effort to avoid unnecessary duplication of other planned, ongoing, or completed studies and analyses. Volume VI of this catalog supplements the previous five volumes which contain study data from 1963 through 1993. Volume VI contains updated information on 1991 through 1993 studies whose status was incomplete when the previous volumes were published in addition to 1994 studies. Further information with regard to the Marine Corps studies system is contained in Marine Corps Order P3902.1B.

**1.2. DEFINITION OF TERMS.** To assist the users of this catalog, the terms used herein are defined below.

a. **Studies Control Number (SCN).** Study Control Numbers consist of the Marine Corps DTIC accession indicator "29" or "DM" followed by six digits assigned by the Marine Corps Combat Development Command (MCCDC) to track a study from inception to completion. The SCN numbering system is outlined in Appendix 1.

b. **Center for Naval Analyses (CNA) Number.** For those studies and analyses performed by CNA, a CNA number is assigned in addition to the SCN.

c. **Title.** The full title of the study or analysis.

d. **Category.** Each study contained in this catalog is listed under one of the following eight categories:

- (1) Concepts and Plans
- (2) Installations and Logistics
- (3) Intelligence

- (4) International Security
- (5) Management
- (6) Manpower and Personnel
- (7) Operations and Force Structure
- (8) Science, Technology, Systems and Equipment

e. Classification. The security classification of the study or analysis.

f. Sponsor. The head of the staff office within HQMC which has primary cognizance over the subject matter contained in the study.

g. Performing Activity. The agency responsible for the actual conduct of the study or analysis. These include MCCDC, CNA, Office of Naval Research (ONR), Navy Systems Commands (NSC), Navy Laboratories, other DoD study activities and civilian contractors.

h. Time Frame. One of the following three time periods which the study problem addresses:

- (1) Short Range. The current year plus one year.
- (2) Mid-Range. The period commencing at the end of the short-range period and projected ten years.
- (3) Long Range. The period commencing at the end of the midrange period and projected ten years.

i. Status. The status of a study is listed in one of the following four categories:

- (1) Completed. This indicates the study has been completed and approved for publication.
- (2) In progress. The study agency has initiated work on an assigned study and it is ongoing at the time of this catalog's publication.
- (3) Staffing. The study has been completed and the final report is undergoing review at the time of this catalog's publication.
- (4) Terminated. A study which was initiated, entered into the Defense Technical Information System but terminated prior to completion.

j. **Defense Technical Information Center Number.** The DTIC maintains and disseminates information on all DoD scientific and technical documents. Final reports of all Marine Corps approved studies are to be given to DTIC for inclusion in their data bank and assignment of a DTIC number. Copies of DoD studies can be obtained from DTIC by utilizing the assigned DTIC number. Copies of studies not held by DTIC may possibly be obtained from the sponsor. A DTIC number may have been assigned to a study after publication of this catalog. Required data may be obtained by a title search.

k. **Summary.** The summary is a brief description of the purpose and/or objectives of the study.

1.3. **STUDY LISTINGS.** Chapter 2 of this catalog contains a listing of Marine Corps studies. Study titles are listed alphabetically under one of the eight categories noted in paragraph 1.2.d. above.

1.4. **STUDY SUMMARIES.** Chapter 3 contains summaries of all Marine Corps studies. The summaries are organized by fiscal year and appear in SCN sequence within the fiscal year.

1.5. **SYNOPSIS.** This catalog is a reference publication. Its purpose is to assist the user in obtaining scientific and technical data from the Marine Corps and DTIC and to prevent unnecessary duplication of analytical effort. For further information concerning DTIC resources, call or write:

Defense Technical Information Center  
ATTN: DTIC-DDR-2  
Cameron Station  
Alexandria, VA 22304-6145  
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1.6. **UPDATE.** The Commanding General, Marine Corps Combat Development Command, Quantico, Virginia is responsible for the annual update of this catalog. Additions/deletions and/or recommendations should be addressed to:

Commanding General (C 453)  
Marine Corps Combat Development Command  
Studies and Analysis Division  
3093 Upshur Avenue  
Quantico, VA 22134-5130  
Commercial - (703) 640-4765  
DSN - 278-4765

## **CHAPTER 2. STUDY LISTINGS**

### **SECTION I. INTRODUCTION**

**2.1. Purpose.** This chapter provides for a rapid method of locating a Marine Corps study.

**2.2. Organization.** Section II, Listing by Category, lists the Marine Corps Studies and Analyses by category and title. Refer to Chapter 1, paragraph 1.2.d. for the functional area categories used in this catalog.

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## CHAPTER 2. STUDY LISTINGS

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## CHAPTER 3. STUDY SUMMARIES

**3.1. GENERAL.** The studies contained in this chapter are listed by the fiscal year in which each study was initiated. To find a study by category or mission area, refer to the appropriate section of Chapter 2.

### 3.2. Fiscal Year 1991

SCN:	29-910101
Title:	USMC Manpower, Personnel, and Training (MPT) Course Analysis and Development
Category:	Manpower and Personnel
Classification:	Unclassified
Sponsor:	MARCORSYSCOM
Performing Activity:	PRC
Time Frame:	Mid-Range
Status:	Completed May 1992
DTIC No.:	AD-B174314
Summary:	Develop and demonstrate a prototype course curriculum for the formal MPT training of Marine Corps personnel.

SCN:	29-910102
Title:	Casualty Rate Estimation
Category:	Manpower and Personnel
Classification:	Unclassified
Sponsor:	HQMC (MPP)
Performing Activity:	ASEC
Time Frame:	Mid-Range
Status:	Completed January 1993
DTIC No.:	AD-B176802
Summary:	Incorporate the results of the U.S. Navy DNBI Study into the CASRATE planning methodology, and develop a CASRATE-compatible estimation method for casualties resulting from nuclear, biological and chemical (NBC) weapons.

SCN: 29-910103  
Title: Revision of Manpower Requirements  
Determination Program (MRDP)  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed November 1992  
DTIC No.: AD-B170648  
Summary:

To explore methods of determining manpower requirements or revising the current MRDP procedure in order to speed up the process and reduce its cost.

SCN: 29-910104  
Title: SO/LIC OPS Foreign Language Proficiency  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Analysis of the need for foreign language proficiency and recommend programs to enhance the Marine Corps' foreign language capabilities.

SCN: 29-910105  
CNA No.: CRM 90-120  
Title: Construction of Final Forms for a New  
Enlistment Screening Test  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed December 1990  
DTIC No.: AD-A235405  
Summary:

Two forms, each containing 35 verbal and 30 mathematics items, have been developed for a new Enlistment Screening Test (EST) to predict Armed Forces Qualification Test (AFQT) scores of military applicants.

SCN: 29-910106  
CNA No.: CRM 90-119  
Title: Development of Overlength Forms for a New Enlistment Screening Test  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed December 1990  
DTIC No.: AD-A235732  
Summary:

Overlength forms, containing about 50 percent more items than needed in the final forms, have been developed for a new Enlisted Screening Test.

SCN: 29-910107  
CNA No.: CRM 90-182  
Title: Validation of ASVAB Against Infantry Job Performance  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed December 1990  
DTIC No.: AD-A235406  
Summary:

The validity of the Armed Services Vocational Aptitude Battery (ASVAB) against several measures of infantry performance collected as part of Job Performance Measurement project.

SCN: 29-910108  
CNA No.: CRM 90-217  
Title: Robust Estimation Using Student's t Distribution  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed December 1990  
DTIC No.: AD-B152549  
Summary:

Robust estimators are useful when observations contain gross errors or are sampled from a heavy-tailed distribution. Monte Carlo results show these estimators to be as efficient as the biweight estimators of location and scale.

SCN: 29-910109  
CNA No.: CRM 90-134  
Title: **The Marine Corps Aviator Pipeline**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1991  
DTIC No.: AD-B154623  
Summary:

This research memorandum describes the operation of the training pipeline for Marine Corps student naval aviators and student naval flight officers.

SCN: 29-910110  
CNA No.: CIM 135  
Title: **Longitudinal Tracking Files for Marine Corps Officers**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed February 1991  
DTIC No.: AD-B163124  
Summary:

This information memorandum describes a longitudinal tracking file for Marine Corps officers created from quarterly snapshots from the Headquarters Master File.

SCN: 29-910111  
CNA No.: CRM 90-238  
Title: **Average Cost of Training for First-Term Marines**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed April 1991  
DTIC: AD-B158811  
Summary:

This study attempts to measure the first-term costs and performance of enlisted Marines in several occupations. It also presents estimates of the costs per student for courses needed for Military Occupational Specialties studied in the project.

SCN: 29-910112  
CNA No.: CRM 127  
Title: Longitudinal ARSTAT Tracking Files for  
Enlisted Marines  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed April 1991  
DTIC No.: AD-B158237  
Summary:

The Marine Corps Quarterly Accession Retention Statistics (ARSTAT) files is a data base that provides both current and historical background records for enlisted Marines.

SCN: 29-910113  
CNA No.: CRM 91-82  
Title: Comparison of Three Procedures for  
Smoothing Score Distributions  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1991  
DTIC No.: AD-A242134  
Summary:

Three parametric smoothing procedures are examined and found to be equally useful.

SCN: 29-910114  
CNA No.: CRM 91-85  
Title: Development of ASVAB Norms for the Student  
Testing Program  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1991  
DTIC No.: AD-A242135  
Summary:

ASVAB scores will soon be reported on three composites and ten subtests. The objective of this research memorandum is to present norms for these scores.

SCN: 29-910115  
CNA No.: CRM 91-99  
Title: Analysis and Prediction of Infantry Unit Leaders' Performance  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1991  
DTIC No.: AD-B163271  
Summary:

This research memorandum covers a variety of issues related to the performance of enlisted infantry unit leaders and the ability of the ASVAB to predict that performance.

SCN: 29-910116  
CNA No.: CIM 122  
Title: CNA's Longitudinal HMF Tracking Files for Enlisted Marines  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Status: Completed June 1991  
DTIC No.: N/A  
Summary:

This information memorandum describes CNA's current longitudinal tracking files of the Headquarters Master File for enlisted Marines.

SCN: 29-910117  
CNA No.: CIM 145  
Title: USMC Training: An Overview  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Status: Completed June 1991  
DTIC No.: N/A  
Summary:

This information memorandum provides an overview of the organization of training within the Marine Corps, a description of the training paths traveled by enlisted Marines and officers, and some summary statistics.

SCN: 29-910118  
CNA No.: CRM 91-53  
Title: An Investigation of Marriage and Dependency Rates for Enlisted Marines  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1991  
DTIC No.: AD-A246493  
Summary:

This research memorandum analyzes the factors underlying the recent growth in the proportion of enlisted Marines that are married or that have dependents.

SCN: 29-910119  
CNA No.: CRM 91-64  
Title: Reenlisting in the Marine Corps: The Impact of Bonuses, Grade, and Dependency Status  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1991  
DTIC No.: AD-A246494  
Summary:

First-term reenlistment decisions for recommended and eligible Marines in FY 1980 through FY 1990 are analyzed in this research memorandum.

SCN: 29-910120  
CNA No.: CIM 161  
Title: The Marine Corps Marriage and Dependent Children Database (MCMAD)  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1991  
DTIC No.: AD-B153245  
Summary:

The Marine Corps Marriage and Dependent Children Database provides a quick-response capability for questions on marital and dependency status of enlisted Marines.

SCN: 29-910121  
CNA No.: CIM 172  
Title: Job Performance Tests for Motor Transport Mechanics - Volume I: Hands-On Performance Tests  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1991  
DTIC No.: AD-B163220  
Summary:

Performance tests and job knowledge tests were developed for the Job Performance Measurement Project.

SCN: 29-910122  
CNA No.: CIM 172  
Title: Job Performance Tests for Motor Transport Mechanics - Volume II: Administrative Duties and Job Knowledge Tests  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1991  
DTIC No.: AD-B163221  
Summary:

Performance tests and job knowledge tests were developed for specialties as part of the Marine Corps Job Performance Measurement Project.

SCN: 29-910123  
CNA No.: CIM 173  
Title: Updating CNA's Marine Corps Accession Cohort Files  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1991  
DTIC No.: AD-B163052  
Summary:

Documents the accession cohort data system maintained by CNA.

SCN: 29-910124  
CNA No.: CIM 179  
Title: Job Performance Tests for CH-46 Helicopter Mechanics - Volume I: Hands-On Test  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1991  
DTIC No.: AD-B163073  
Summary:

Documents performance tests and job knowledge tests developed for CH-46 helicopter mechanics as part of the Marine Corps Job Performance Measurement Project.

SCN: 29-910125  
CNA No.: CIM 179  
Title: Job Performance Tests for CH-46 Helicopter Mechanics - Volume II: Administrative Duties and Job Knowledge  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1991  
DTIC No.: AD-B163074  
Summary:

Documents performance tests and job knowledge tests developed for CH-46 helicopter mechanics as part of the Marine Corps Job Performance Measurement Project.

SCN: 29-910126  
CNA No.: CRM 90.219.10  
Title: Rankings by Historical Attrition Rates of Potential Marine Corps Recruits  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed September 1991  
DTIC No.: AD-B172482  
Summary:

Categorization and ranking of potential Marines based on historical non-end of service attrition rates.

SCN: 29-910127  
CNA No.: CRM 91-89  
Title: Marine Corps Training Concepts, Issues,  
and Analyses  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed September 1991  
DTIC No.: AD-B171227  
Summary:

The study identified training issues facing the Marine Corps and investigated analytical methods and sources of training data.

SCN: 29-910128  
CNA No.: CRM 91-161  
Title: An Analysis of CAT-ASVAB Scores in the  
Marine Corps JPM Data  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed September 1991  
DTIC No.: AD-A252074  
Summary:

Analysis of the results of CAT-ASVAB administered to  
1,400 Marines.

SCN: 29-910129  
CNA No.: CIM 192  
Title: Job Performance Tests for CH-53A/D  
Helicopter Mechanics, Volume I: Test  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: AD-A262178  
Summary:

Disseminate performance measures to Marine Corps  
personnel managers, training instructors, and interested  
researchers.

SCN: 29-910130  
CNA No.: CIM 192  
Title: Job Performance Tests for CH-53A/D  
Helicopter Mechanics, Volume II:  
Admin Duties and Job Knowledge Tests  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: AD-A262179  
Summary:

Disseminate performance measures to USMC personnel managers, training instructors, and interested researchers.

SCN: 29-910131  
CNA No.: CIM 196  
Title: A Test of the Temporal Invariance of ASVAB Item Parameters  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: AD-A265208  
Summary:

ASVAB test data of 1980 national sample of youth vs results from a 1988 test administered to military applicants.

SCN: 29-910132  
CNA No.: CIM 200  
Title: Job Performance Tests for U/AH-1  
Helicopter Mechanics, Volume I: Hands-On Performance Test  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: AD-B171174  
Summary:

The purpose of this information memorandum is to disseminate these performance measures to Marine Corps personnel managers, training instructors, and interested researchers.

SCN: 29-910133  
CNA No.: CIM 200  
Title: Job Performance Tests for U/AH-1  
Helicopter Mechanics, Volume II: Admin  
Duties and Job Knowledge Test  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: AD-B171175  
Summary:

Disseminate these performance measures to Marine Corps personnel managers, training instructors, and interested researchers.

SCN: 29-910201  
Title: Mission Area Analysis MA 23 - Close Combat  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group  
Time Frame: Mid-Range  
Status: Completed June 1991  
DTIC No.: Not held by DTIC  
Summary:

Assess the MAGTF's capability to use tactical combat power to locate and destroy the enemy by fire and maneuver.

SCN: 29-910202  
Title: Command and Control Concept for Maneuver Warfare and Over-the-Horizon (OTH) Operations  
  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: PRC  
Time Frame: Long Range  
Status: Completed March 1992  
DTIC No.: AD-B165243  
Summary:

Develop a concept for a command and control system that will support the requirements imposed by using maneuver warfare and OTH operations.

SCN: 29-910203  
Title: MAGTF Operations in an NBC Environment  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: MCCDC (C&P)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Determine alternatives for how an expeditionary Marine Air-Ground Task Force (MAGTF) can survive and maintain momentum in an NBC environment by looking at how the MAGTF protects itself, detects and identifies hazards, decontaminates personnel and equipment, and warns and reports the presence of NBC hazards.

SCN: 29-910204  
Title: Mission Area Analysis MA 22 - Ground Tactical Mobility/Countermobility  
Category: Concepts and Plans  
Classification: Confidential  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: AD-B162451  
Summary:

Assess the MAGTF's ground tactical mobility/countermobility capabilities.

SCN: 29-910207  
Title: Mission Area Analysis MA 70 - Manpower  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed August 1992  
DTIC No.: AD-B171473  
Summary:

To define and assess the Marine Corps' manpower requirements, determine capabilities to manage personnel procurement, classification and distribution, and identify and prioritize deficiencies.

SCN: 29-910208  
Title: NorthEast Asia Scenario  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: MCCDC (C&P)  
Performing Activity: TRADOC  
Time Frame: Long Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

To develop theater, corps, and MAGTF scenarios for the 2000-2005 time frame based on the Illustrative Planning Scenario in the Defense Guidance and existing campaign plans.

SCN: 29-910209  
Title: Mission Area Analysis MA 33 -  
Category: Assault Support  
Classification: Concepts and Plans  
Sponsor: Unclassified  
Performing Activity: MCCDC (C&P)  
Time Frame: Internal Marine Corps Working Group  
Status: Short Range  
DTIC No.: Completed November 1991  
Summary: AD-B162450

Assess the Aviation Combat Element's ability to provide an assault support capability to the MAGTF.

SCN: 29-910210  
Title: Mission Area Analysis MA 34 -  
Category: Offensive Air Support  
Classification: Concepts and Plans  
Sponsor: Confidential  
Performing Activity: MCCDC (C&P)  
Time Frame: Internal Marine Corps Working Group  
Status: Mid-Range  
DTIC No.: Completed January 1992  
Summary: AD-B162452

Assess the Aviation Combat Element's ability to provide offensive air support to the MAGTF.

SCN: 29-910211  
CNA No.: CRM 91-101  
Title: Maritime Prepositioned Force Offload Model, Vol. I: Main Text/Appendices A/B  
Category: Concepts and Plans  
Classification: Confidential  
Sponsor: MCCDC (REQ)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed April 1991  
DTIC No.: N/A  
Summary:

Documents the design and use of the Maritime Prepositioned Force (MPF) Offload Model.

SCN: 29-910212  
CNA No.: CRM 91-128  
Title: Marine Corps Training Ammunition Requirements Study: Extension for Mobilization Training  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed July 1991  
DTIC No.: AD-B163272  
Summary:

Describes the study of the USMC mobilization process and the results of developing an extension of the TARMS methodology to include training ammunition requirements for Marine Corps mobilization.

SCN: 29-910213  
CNA No.: CIM 167  
Title: Marine Aviation Combat Element (MACE) 2010 Study: Scenario and Concept of Operations  
Category: Concepts and Plans  
Classification: Secret/NOFORN  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed November 1991  
DTIC No.: N/A  
Summary:

Presents a mid-level intensity scenario to complement the MACE 2010 Study.

SCN: 29-910301  
Title: The Marine Corps Model  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group  
(Phase I)  
Contractor-TBD (Phase II)  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

To develop a prototype family of models that incorporate knowledge-based expert system applications to support MAGTF force structure planning.

SCN: 29-910302  
Title: Measures of Effectiveness for Marine Corps Readiness and Sustainability (Phases I & II)  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: HQMC (LPM)  
Performing Activity: PRC  
Time Frame: Long Range  
Status: Completed May 1992  
DTIC No.: AD-B162164  
Summary:

To develop a methodology to show the effect on MAGTF readiness and sustainability resulting from a change in OPSTEMPO or a material shortage in various classes of supply; and to quantify the impact that cuts to O&M funding will have on MAGTF readiness and sustainability.

SCN: 29-910303  
Title: Tailoring the MAGTF for Combat Against a Strong Armored Threat  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: Marine Corps University  
Performing Activity: Naval Postgraduate School  
Time Frame: Short Range  
Status: Completed September 1991  
DTIC No.: AD-A159748  
Summary:

Determine the optimum organizational structure of the MAGTF capable of conducting offensive operations in level desert terrain against a strong armored enemy while continuing to possess effective strategic mobility.

SCN: 29-910304  
Title: Automation of the Marine Corps Health Service Support (HSS) for Use Within the Combat Service Support TSS  
  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (DOC)  
Performing Activity: CASCOM  
Time Frame: Mid-Range  
Status: Completed March 1993  
DTIC No.: AD-B173061  
Summary:

Build Marine Corps HSS structures, their inherent task organization, mission and treatment capabilities, authorized medical and dental lists (AMAL/ADALS) and supply levels, and organic HSS transportation assets.

SCN: 29-910305  
Title: Marine Corps Aviation Mishap Rate Assessment  
  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: HQMC (ASA)  
Performing Activity: ASEC  
Time Frame: Short Range  
Status: Completed May 1992  
DTIC No.: AD-B165036L  
Summary:

An impartial evaluation of current Marine Aviation concepts, policies, techniques, methods, and systems from calendar year 1986 to the present.

SCN: 29-910306  
CNA No.: CRM 90-249  
Title: Initial Deployment of Navy Medical Assets in Support of Operation Desert Shield  
  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (DOC) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1991  
DTIC No.: N/A  
Summary:

The Navy has provided significant medical support for Operation Desert Shield. This research memorandum describes the initial deployment of the Navy's medical assets through 6 October 1990.

SCN: 29-910307  
CNA No.: CRM 91-37  
Title: Marine Corps Operations in Desert Shield  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (DOC) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed February 1991  
DTIC No.: N/A  
Summary:

This research memorandum documents the activities of the Marine Corps during Operation Desert Shield, between 2 August 1990 and 15 January 1991. The analysis summarizes the deployments during the operations, documenting the command relationships throughout.

SCN: 29-910308  
CNA No.: CRM 91-26  
Title: Maritime Intercept Operations  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (DOC) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed February 1991  
DTIC No.: N/A  
Summary:

Desert Shield maritime operations between 18 August 1990 and 15 January 1991 are analyzed based on message traffic received at CNA and correspondence received from field representatives.

SCN: 29-910309  
CNA No.: CRM 91-15  
Title: Exercise FREEDOM BANNER/Humanitarian Assistance MAGTF-90  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1991  
DTIC No.: AD-B158077  
Summary:

The standup and operation of the humanitarian assistance Crisis Action Module (CAM) is evaluated.

SCN: 29-910310  
CNA No.: CRM 91-57  
Title: **Battle Group Delta Participation in Desert Shield Operations**  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (C&P) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1991  
DTIC No.: N/A  
Summary:

Documents the participation of Battle Group Delta in Operation Desert Shield from August 1990 to November 1990.

SCN: 29-910311  
CNA No.: CRM 91-97  
Title: **The Deployment of U.S. Navy Carriers for Operation Desert Storm**  
Category: Operations and Force Structure  
Classification: Confidential  
Sponsor: MCCDC (C&P) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1991  
DTIC No.: N/A  
Summary:

Overview of the procedures that were followed for deploying the six carriers that conducted combat operations during Operation Desert Storm (ODS).

SCN: 29-910312  
CNA No.: CRM 91-153  
Title: **Preparations for Casualty Regulating and CONUS Care During Operation Desert Storm**  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (DOC) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: N/A  
Summary:

Description of the system established to regulate the flow of Desert Storm casualties from theater and the build-up of capabilities in the continental U.S. (CONUS) to receive casualties.

SCN: 29-910313  
 CNA No.: CRM 91-228  
 Title: Marine Corps Desert Storm Reconstruction Report - Volume II: Ground Force Operations  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: MCCDC (C&P)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed October 1991  
 DTIC No.: N/A  
 Summary:

Documents the events that occurred on the ground and discusses a number of issues or events that emerged from the planning and operations. Includes a chronological narrative of the Marine Corps operations and how they fit into the theater commander's plan.

SCN: 29-910401  
 Title: Command Religious Program Logistics in Combat (1991-2000)  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: MCCDC (DOC)  
 Performing Activity: Internal Marine Corps Working Group  
 Time Frame: Mid-Range  
 Status: Completed November 1991  
 DTIC No.: AD-B143863  
 Summary:

To determine chaplain hardware and consumable kit requirements based on the religious demographics of Marines, the number of chaplains assigned to the Marine Corps and their religious affiliation, and specific combat kit needs.

SCN: 29-910402  
 CNA No.: CRM 91-17  
 Title: Operation Desert Shield Bulk Fuel Planning  
 Category: Installations and Logistics  
 Classification: Secret  
 Sponsor: MCCDC (DOC) and OP-08  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed February 1991  
 DTIC No.: N/A  
 Summary:

Operation Desert Shield bulk fuel planning as undertaken by the staff of the Seventh Marine Expeditionary Brigade is examined.

SCN: 29-910403  
 CNA No.: CRM 91-38  
 Title: **Reconfiguration of MPSRon-3 to Support the Priority Force Modules**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed March 1991  
 DTIC No.: AD-B152762  
 Summary:

The ability of MPSRons to support priority force modules is investigated through an analysis of MPSRon-3, a squadron of four Am sea-class ships.

SCN: 29-910404  
 CNA No.: CRM 91-24  
 Title: **MPS Squadron Three Ordnance Sustainment for Priority Force Modules**  
 Category: Installations and Logistics  
 Classification: Secret  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1991  
 DTIC No.: N/A  
 Summary:

Examines the ability of ships in Maritime Prepositioned Ship (MPS) Squadron Three to provide sufficient ordnance sustainment to forces the size of a MEU or low-intensity conflict Marine Expeditionary Brigade (LIC MEB).

SCN: 29-910405  
 CNA No.: CRM 91-73  
 Title: **Reconfiguration of MPSRon-2 to Support the Priority Force Modules, Volume I: Main Text and Appendixes A-E**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1991  
 DTIC No.: AD-B152763  
 Summary:

The ability of Maritime Prepositioned Ship Squadrons (MPSRons) to support priority force modules was investigated.

SCN: 29-910406  
CNA No.: CRM 91-74  
Title: **Reconfiguration of MPSRon-2 to Support the Priority Force Modules, Volume II: Appendix F - Ordnance Sustainment**  
  
Category: Installations and Logistics  
Classification: Secret  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1991  
DTIC No.: N/A  
Summary:

The ability of Maritime Prepositioned Ship Squadrons (MPSRons) to support priority force modules was investigated.

SCN: 29-910407  
CNA No.: CNR 190  
Title: **FMF Force Module Enhancement Study**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1991  
DTIC No.: AD-B152767  
Summary:

The FMF Force Module Enhancement Study was conducted to demonstrate that the Maritime Prepositioning Ship Squadrons can effectively support priority force modules.

SCN: 29-910408  
CNA No.: CRM 91-6  
Title: **Supporting Amphibious Assault from a Sea Base**  
  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: 5th MEB and COMPHIBGRU 3  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed April 1991  
DTIC No.: AD-B152792  
Summary:

The application of sea-based logistics in KERNAL BLITZ-89 and RIMPAC-90 is investigated.

SCN: 29-910409  
CNA No.: CRM 90-265  
Title: The Marine Corps Training Ammunition Study  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed April 1991  
DTIC No.: AD-B158179  
Summary:

This study analyzed and structured the total annual training ammunition requirements, assuming that all Marines, active duty and reserve, perform all their required annual training to achieve prescribed standards.

SCN: 29-910410  
CNA No.: CRM 91-121  
Title: The Maritime Prepositioned Force Offload Model: Appendix C and Appendix D - Data Dictionary and Computer Code  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed April 1991  
DTIC No.: AD-B158811  
Summary:

Documents the design and use of the Maritime Prepositioned Force (MPF) Offload Model. The model was written at CNA to examine MPF offload operations in different environments.

SCN: 29-910411  
CNA No.: CRM 91-202  
Title: MPS Maintenance Study  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: HQMC (I&L)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1991  
DTIC No.: AD-B163313  
Summary:

Analysis of the labor force and site for maintenance of equipment on Maritime Prepositioned Ships. Includes an evaluation of the purchase alternative to the present lease for the property at Blount Island.

SCN: 29-910501  
Title: Mines/Mineslaying and Countermine Requirements for the Mid-Range Science, Technology, Systems, and Equipment  
Category:  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity:  
Time Frame: PRC  
Status: Mid-Range  
Completed March 1992  
DTIC No.: AD-B165024L  
Summary:

Survey current mine and countermine capabilities; compare requirements and capabilities; and determine deficiencies and make recommendations for changes in doctrine, organization and equipment.

SCN: 29-910502  
Title: Unmanned Ground Vehicles (UGV)  
Category: Science, Technology, Systems, and Equipment  
Classification: Secret  
Sponsor: Unmanned Ground Vehicle Joint Project Officer  
Performing Activity: AMSAA  
Time Frame: Long Range  
Status: Completed March 1992  
DTIC No.: AD-B164352L  
Summary:

Identify warfighting missions UGVs can effectively perform based on both the opportunities presented by the technology and on current, identified deficiencies.

SCN: 29-910503  
Title: Night Enhancement Capabilities for MAGTF Close Combat Operations  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed January 1993  
DTIC No.: AD-B176932  
Summary:

Determine the most appropriate and effective night enhancement capabilities for close combat during the period 1995-2004.

SCN: 29-910504  
Title: Small Arms Master Plan  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MARCORSYSCOM  
Performing Activity: Radian  
Time Frame: Mid-Range  
Status: Completed February 1993  
DTIC No.: Not held by DTIC  
Summary:

To support concept development and determine the most appropriate and effective means of enhancing small arms capabilities during the period 1994-2015.

SCN: 29-910505  
CNA No.: CRM 90-253  
Title: Life-Cycle Costs of Advanced Amphibious Assault System Candidates  
Category: Science, Technology, Systems, and Equipment  
Classification: For Official Use Only  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed January 1991  
DTIC No.: AD-B162359  
Summary:

Provides life-cycle cost estimates for those options and for certain amphibious ships and craft, the quantities of which could be reduced by the choice of the AAA option.

SCN: 29-910506  
CNA No.: CNR 182  
Title: Advanced Amphibious Assault (AAA) Program COEA: Summary Report  
Category: Science, Technology, Systems, and Equipment  
Classification: Secret/NOFORN  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed March 1991  
DTIC No.: N/A  
Summary:

Milestone I Cost and Operational Effectiveness Analysis of the Advanced Amphibious Assault (AAA) system.

SCN: 29-910507  
CNA No.: CRM 90-252  
Title: Examination of Cueing Errors for LAAD  
Teams  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Confidential  
Sponsor: MCCDC (REQ) and MAWTS-1  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed March 1991  
DTIC No.: AD-B152770  
Summary:

The cause and severity of cueing errors from two cueing systems for Low-Altitude Air Defense (LAAD) are examined.

SCN: 29-910508  
CNA No.: CRM 91-1  
Title: HAWK Missile Systems Aboard AFOE Shipping  
Science, Technology, Systems, and  
Equipment  
Category: Unclassified  
Classification: Unclassified  
Sponsor: CNA  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed March 1991  
DTIC No.: AD-B163228  
Summary:

The feasibility of deploying the HAWK missile system on board strategic sealift ships for limited AAW self defense is investigated.

SCN: 29-910509  
CNA No.: CRM 91-88  
Title: Revised Life-Cycle of Advanced Amphibious  
Assault System Candidates  
Science, Technology, Systems, and  
Equipment  
Category: Unclassified  
Classification: Unclassified  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed April 1991  
DTIC No.: AD-B171226  
Summary:

Impact of cost estimate changes are analyzed as related to the Advanced Amphibious Assault system.

SCN: 29-910510  
CNA No.: CIM 150  
Title: Marine Corps Combat Element Mobility Requirements for Mobile Maintenance Facilities  
  
Category: Science, Technology, Systems, and Equipment  
Classification: For Official Use Only  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed July 1991  
DTIC No.: N/A  
Summary:

Assesses the mobility footprint of the mobile maintenance facilities of various MAGTFs.

SCN: 29-910511  
CNA No.: CRM 91-192  
Title: Survey of Systems for MAGTF Training  
Category: Science, Technology, Systems, and Equipment  
  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed October 1991  
DTIC No.: AD-B163277  
Summary:

Results of a survey of training devices and simulations by CNA and staff members of CG FMFPAC to determine whether these components could be integrated into an overall system.

SCN: 29-910512  
CNA No.: CRM 91-222  
Title: Cost and Operational Effectiveness Analysis of the SMAW Block Upgrade  
Category: Science, Technology, Systems, and Equipment  
  
Classification: Confidential  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: N/A  
Summary:

Compares the cost and effectiveness of the shoulder-launched multipurpose assault weapon (SMAW) to the upgraded version and the disposable version.

SCN: 29-910513  
CNA No.: CIM 196  
Title: Data and Sources for the Marine Corps  
Portable Avionics Test Set  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: AD-B153128  
Summary:

Investigation of alternate repair options associated with  
the repair of avionics components on a portable version of the  
Consolidated Automated Support System (CASS).

SCN: 29-910514  
CNA No.: CIM 91-172  
Title: Roll-On/Roll-Off Discharge Facility:  
Operations Analysis  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: AD-B153203  
Summary:

Investigation of the engineering, operational, and  
environmental issues affecting RRDFs.

SCN: 29-910601  
Title: Wargaming in Support of the POM Process  
(Phase I)  
Category: Management  
Classification: Unclassified  
Sponsor: MCCDC (WG&CS)  
Performing Activity: DDI  
Time Frame: Mid-Range  
Status: Completed September 1992  
DTIC No.: AD-B163192  
Summary:

To determine which wargames can best support the PPBS  
process and to define procedures that will integrate those  
wargames into the process.

SCN: 29-910602  
 CNA No.: CIM 134  
 Title: User's Manual for the Marine Corps  
           Training Ammunition Requirements  
           Management System (TARMS)  
  
 Category: Management  
 Classification: Unclassified  
 Sponsor: MCCDC (T&E)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed July 1991  
 DTIC No.: AD-B163087  
 Summary:

Provides documentation and guidelines for the users of the Training Ammunition Requirements Management System (TARMS).

SCN: 29-910603  
 CNA No.: CRM 91-120  
 Title: Data Quality for Automotive Maintenance  
           Phase of the Marine Corps Job Performance  
           Measurement (JPM) Project  
  
 Category: Management  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed August 1991  
 DTIC No.: AD-B152068  
 Summary:

Examination of the quality of data collected for the automotive maintenance portion of the Marine Corps Job Performance Measurement project, and describes measures taken to minimize the effect of questionable or missing cases.

SCN: 29-910604  
 CNA No.: CIM 156  
 Title: TARMS User's Guide: Extension for  
           Mobilization  
  
 Category: Management  
 Classification: Unclassified  
 Sponsor: MCCDC (T&E)  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed September 1991  
 DTIC No.: AD-B163865  
 Summary:

The new mobilization module for TARMS is described and users are provided with information for its maintenance and operation.

SCN: 29-910801  
CNA No.: CRM 90-247  
Title: History of Maritime Patrol Aircraft (MPA)  
Crisis Response Activity: A Brief Look  
Category: International Security  
Classification: Secret/NOFORN/WNINTEL  
Sponsor: HQMC (PP&O) and OP-06  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed December 1990  
DTIC No.: N/A  
Summary:

This research memorandum examines the role of Maritime Patrol Aircraft (MPA) in these crisis response actions over the past 15 years.

SCN: 29-910802  
CNA No.: CRM 90-246  
Title: The Use of Naval Forces in the Post-War Era: U.S. Navy and U.S. Marine Corps Crisis Response Activity 1946 - 1989  
Category: International Security  
Classification: Unclassified  
Sponsor: HQMC (PP&O) and OP-06  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed February 1991  
DTIC No.: Not held by DTIC  
Summary:

Since the end of WWII, U.S. Naval Forces have played a major role in at least 207 U.S. responses to international incidents and crises, exclusive of the Korean and Vietnam wars. This research memorandum summarizes these U.S. Navy and U.S. Marine Corps crisis management operations.

### **3.3. Fiscal Year 1992**

SCN:	29-920101
CNA No.:	CRM 92-85
Title:	<b>Managing the Marine Corps' Enlisted Force in the 1990's</b>
Category:	Manpower and Personnel
Classification:	Unclassified
Sponsor:	HQMC (M&RA)
Performing Activity:	CNA
Time Frame:	Mid-Range
Status:	Completed November 1993
DTIC No.:	Pending
Summary:	

Provide alternative strategies for meeting prescribed end strength levels over the Future Years Defense Plan (FYDP). Addresses alternative accession policies, varying continuation rates, and desired advancement profiles for enlisted Marines.

SCN:	29-920102
Title:	<b>Manpower Requirements Assessment Survey</b>
Category:	Manpower and Personnel
Classification:	Unclassified
Sponsor:	HQMC (M&RA)
Performing Activity:	Internal Marine Corps Working Group
Time Frame:	Mid-Range
Status:	Completed January 1993
DTIC No.:	AD-B171040
Summary:	

Develops a process that will prioritize and analyze non-FMF workload by functional area and identify workload requirements which can be streamlined, consolidated, reduced, or eliminated.

SCN:	29-920103
CNA No.:	CRM 93-203
Title:	<b>Job Performance Measurement Project (Phase I)</b>
Category:	Manpower and Personnel
Classification:	Unclassified
Sponsor:	HQMC (M&RA)
Performing Activity:	CNA
Time Frame:	Short Range
Status:	Completed October 1993
DTIC No.:	Pending
Summary:	

An in-depth research effort to validate enlistment tests and selection standards against actual measures of job performance. Particular emphasis is on the test development and administration for the electronics repair composite.

SCN: 29-920104  
CNA No.: CRM 91-127  
Title: Analysis of Support Funding for Marine Corps Recruiting  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: AD-A254597  
Summary:

An attempt to identify an improved method of allocating Marine Corps recruiting support funds to the districts.

SCN: 29-920105  
CNA No.: CRM 91-221  
Title: Data Quality for the Helicopter Maintenance Phase of the Marine Corps Job Performance Measurement Project  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: AD-B165342  
Summary:

Examines the quality of data collected for the helicopter maintenance portion of the Marine Corps JPM project and describes measures taken to minimize the effect of questionable or missing cases.

SCN: 29-920106  
CNA No.: CRM 91-224  
Title: Uniqueness of a Psychomotor Construct to ASVAB  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: AD-B165896  
Summary:

Examination of the comparability of measurement for the computerized and paper-and-pencil ASVAB tests.

SCN: 29-920107  
CNA No.: CRM 266  
Title: An Inventory Flow Model to Investigate  
Transitions in Enlisted Marine Corps  
Endstrength  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed February 1992  
DTIC No.: AD-A221841  
Summary:

Description of the LOTUS 1-2-3 spreadsheet designed to analyze yearly transitions between enlisted Marine Corps endstrength numbers from one fiscal year to the next.

SCN: 29-920108  
CNA No.: CRM 91-246  
Title: Reliability of Mechanical Maintenance  
Performance Measures  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed February 1992  
DTIC No.: AD-B165223  
Summary:

Examination of the reliability of two performance measures for mechanical maintenance developed by the Marine Corps Job Performance Measurement Project: Hands-on performance tests and job knowledge tests.

SCN: 29-920109  
CNA No.: CRM 91-230  
Title: Seasonal Patterns in the Senior and  
Graduate Markets for Marine Recruits  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1992  
DTIC No.: AD-B166144  
Summary:

Examination of the effects the time of the has when a contract is assigned on the Delayed Entry Program.

SCN: 29-920110  
CNA No.: CRM 91-242  
Title: Development and Scoring of Hands-on Performance Tests for Mechanical Maintenance Specialties  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1992  
DTIC No.: Not held by DTIC  
Summary:

Report on the procedures used for the development and scoring of hands-on performance tests for the mechanical phase of the Job Performance Measurement project

SCN: 29-920111  
CNA No.: CRC 615  
Title: Polynomial Families of Distribution  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1992  
DTIC No.: AD-B166308  
Summary:

This research paper explores the theory of polynomial families.

SCN: 29-920112  
CNA No.: CIM 220  
Title: Inventory Force Simulation for Enlisted Marines  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1992  
DTIC No.: AD-B166759  
Summary:

Description of how the Inventory Force Simulation is run on a personal computer.

SCN: 29-920113  
CNA No.: CRM 92-71  
Title: **Sensitivity and Fairness of the Marine Corps Mechanical Maintenance Composite**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1992  
DTIC No.: Not held by DTIC  
Summary:

This research memorandum analyzes the prediction of hands-on performance in the automotive mechanic occupational specialty using the Marine Corps' Mechanical Maintenance Composite.

SCN: 29-920114  
CNA No.: CRM 92-36  
Title: **Factor Structure and Incremental Validity of the Enhanced Computer-Administered Tests**  
Category: Manpower and Personnel  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1992  
DTIC No.: AD-B168010  
Summary:

Investigation of new computerized predictor tests that are sensitive to traits not measured by the current ASVAB.

SCN: 29-920115  
CNA No.: CRM 92-80  
Title: **Computing AFQT Scores from Historical Data**  
Category: Manpower and Personnel  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1992  
DTIC No.: AD-B168161  
Summary:

This research memorandum discuss the difficulties of interpreting historical data from the AFQT and suggests solutions.

SCN: 29-920116  
CNA No.: CRM 92-85  
Title: Determining the Number and Composition of First-Term Reenlistments: The First-Term Alignment Plan (FTAP)  
Category: Manpower and Personnel  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1992  
DTIC No.: AD-B170642  
Summary:

Description of how the FTAP was constructed from FY 1988 through FY 1991.

SCN: 29-920117  
CNA No.: CRM 91-160  
Title: Time in Grade: A Historical Summary for Enlisted Marine Corps' Promotions from FY 1979 through FY 1990  
Category: Manpower and Personnel  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed October 1992  
DTIC No.: AD-B171232  
Summary:

Documentation of the slowdown in enlisted Marine promotions in the last decade.

SCN: 29-920201  
CNA No.: CRM 93-117  
Title: Mission Area Analysis MA 60 - Training Concepts and Plans  
Category: Unclassified  
Classification:  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed October 1993  
DTIC No.: Pending  
Summary:

Addresses those activities associated with the development of training standard and the identification of training support required to conduct institutional and unit training and professional education for individuals and units.

SCN: 29-920206  
Title: Mission Area Analysis MA 45 - Health Services  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed April 1993  
DTIC No.: AD-B172848  
Summary:

Addresses those capabilities of medical and dental support units whose mission is to conserve combat power by providing health maintenance, casualty collection, casualty treatment, and temporary hospitalization and evacuation.

SCN: 29-920208  
Title: Mission Area Analysis MAs 41 and 42 - Supply and Maintenance  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed May 1993  
DTIC No.: AD-B173004  
Summary:

Supply; addresses those capabilities which provide air and ground amphibious forces with supply support and supply maintenance. Maintenance; addresses those capabilities required to retain material in a serviceable condition or restore it to serviceability.

SCN: 29-920210  
Title: Marine Corps Scenario Development  
Category: Concepts and Plans  
Classification: Secret/NOFORN  
Sponsor: MCCDC (C&P)/HQMC (INTEL)  
Performing Activity: Internal Marine Corps Working Group  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

To define Marine Corps scenario requirements; to develop a design architecture for a family of scenarios which will support wargaming, modeling, and mid- and long-range research, development and analysis; and to develop, revise, and/or modify existing scenarios to support defined requirements.

SCN: 29-920211  
Title: Naval Forces and Power Projection  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: HQMC (Commandant)  
Performing Activity: Fletcher School of Diplomacy  
Time Frame: Long Range  
Status: Completed October 1992  
DTIC No.: AD-B165038  
Summary:

To investigate the strategic needs of future maritime forces to project power ashore.

SCN: 29-920212  
CNA No.: TBD  
Title: Componency/JTF Study  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Delineate the roles, (peacetime and wartime) missions, functions, and capabilities of the component commander. Identify the deficiencies of the Marine Corps component headquarters, subordinate MAGTF, and the MEF headquarters functioning as a JTF headquarters to perform the roles, missions, and functions required.

SCN: 29-920213  
Title: Mission Area Analysis MA 43 - Transportation  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed May 1993  
DTIC No.: AD-B173003  
Summary:

Addresses those functions which provide air and ground amphibious forces with capabilities for the transfer of personnel, supplies, and equipment by ground, air, or sea.

SCN: 29-920214  
CNA No.: CIM 184  
Title: Concept of Operations for Electronic Warfare in MACE 2010  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed January 1992  
DTIC No.: N/A  
Summary:

Assessment of the needs of the ACE which were addressed in the POM-94 decision process.

SCN: 29-920215  
CNA No.: CIM 214  
Title: Concept of Operations and Courses of Action for Marine Air Defense in the MACE Scenario  
Category: Concepts and Plans  
Classification: Confidential  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed April 1992  
DTIC No.: N/A  
Summary:

This information memorandum updates the MACE study and reports on the concept of operations and courses of action for the air defense subfunction of Marine Corps aviation.

SCN: 29-920216  
CNA No.: CIM 231  
Title: MACE 2010: OAS Concept of Operations  
Category: Concepts and Plans  
Classification: Confidential  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed May 1992  
DTIC No.: N/A  
Summary:

This information memorandum provides a concept of operations for the offensive air support function of Marine aviation.

SCN: 29-920217  
CNA No.: CIM 189  
Title: Concept of Operations for Reconnaissance  
in MACE 2010  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed October 1992  
DTIC No.: N/A  
Summary:

The objective of this memorandum is to provide a framework for the development of a concept of operations for the air reconnaissance function of Marine Aviation.

SCN: 29-920301  
CNA No.: N/A  
Title: FMF Force Structure Determination Model  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Determine quantitative measures to represent each variable and variable combination that affect FMF force structure and develop a zero-sum model that provides an optimal FMF force structure given specific variable input

SCN: 29-920302  
Title: Manning and Equipping of the Combat Engineer Battalion  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

To identify the optimum manning and equipment for each CEB.

SCN: 29-920303  
Title: Crisis Interaction Requirements Study  
(CIRS) - Phase II  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: HQMC (SO/LIC, PP&O)  
Performing Activity: KAPOS Associates  
Time Frame: Mid-Range  
Status: Completed November 1992  
DTIC No.: Not held by DTIC - Special Access Information

Summary:  
To create additional prototype Special Operation TACTRASITS for the SOUTHCOM and CENTCOM regions which will provide a broader regional perspective to the MAGTF Special Operations training package.

SCN: 29-920304  
Title: Organizational Structure and Command Relationships of Medical Services in the FMF  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: FMFLANT  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Incorporated into SCN 29-920206  
DTIC No.: N/A  
Summary:

Improve continuity of medical care, planning, evacuation, regulating, responsiveness, and logistics throughout the MAGTF. Investigate the options of restructuring the medical services under a medical command (Medical Service Support Element).

SCN: 29-920305  
Title: Marine Corps Air-Ground Task Force Air Defense Organization  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (REQ)  
Performing Activity: PSE  
Time Frame: Long Term  
Status: Completed January 1993  
DTIC No.: Not held by DTIC  
Summary:

Evaluation through 2015 of MAGTF air defense operational concepts and concepts of operations to determine their feasibility of supporting the anti-tactical ballistic missile (ATBM) mission and joint air defense interoperability requirements.

SCN: 29-920306  
Title: Measures of Effectiveness for Marine Corps Readiness and Sustainability (Phase III)  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: HQMC (LPM)  
Performing Activity: PRC  
Time Frame: Long Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

This study implements the recommendations of an earlier effort - MOE (Phases I and II) SCN 29-910302.

SCN: 29-920307  
CNA No.: CRM 91-225  
Title: Marine Corps Combat Service Support Reserve Activation for Operation Desert Shield/Storm  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed December 1991  
DTIC No.: N/A  
Summary:

Examination of the activation of combat service support reservists for Operation Desert Shield/Storm.

SCN: 29-920308  
CNA No.: CRM 91-227  
Title: Marine Corps Operations in Desert Shield/Desert Storm - Volume I: Overview and Summary  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed August 1992  
DTIC No.: N/A  
Summary:

Overview of USMC operations ashore and afloat in Operation Desert Shield/Storm.

SCN: 29-920401  
 Title: Operational Requirements for the  
       Relocation of MCAS Tustin to Twentynine  
       Palms, CA  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: HQMC (I&L)  
 Performing Activity: PSE  
 Time Frame: Short Range  
 Status: Completed June 1992  
 DTIC No.: AD-B168173  
 Summary:

Addresses projected MCAS, MAG-16 and other tenants, and  
 MCAGCC Twentynine Palms CAX operational requirements in terms of  
 flight operations, training administrative, maintenance, and  
 types of storage facilities.

SCN: 29-920402  
 Title: Marine Corps Ground Ammunition Annual  
       Peacetime and Mobilization Requirements  
       Determination (1992)  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: MCCDC (T&E)  
 Performing Activity: ASEC  
 Time Frame: Mid-Range  
 Status: Completed August 1992  
 DTIC No.: AD-B169028L  
 Summary:

The focus of this study is to determine, through the  
 MCARMS methodologies, Marine Corps annual peacetime and  
 mobilization proposed acquisition quantities for Class V(W) for  
 the period FY94-FY99.

SCN: 29-920403  
 Title: The Marine Corps and Containers  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: MCCDC (REQ)  
 Performing Activity: N/A  
 Time Frame: Long Range  
 Status: Canceled  
 DTIC No.: N/A  
 Summary:

Develop a concept of container usage based upon lessons  
 learned during Operation Desert Shield/Storm and will project  
 Marine Corps container utilization through the year 2010.

SCN: 29-920404  
CNA No.: N/A  
Title: Validation and Maintenance of the Logistic Factors File (LFF) for the Marine Corps Installations and Logistics  
Category: Unclassified  
Classification: HQMC (I&L)  
Sponsor: CNA  
Performing Activity: Mid-Range  
Time Frame: Canceled  
Status: N/A  
DTIC No.:  
Summary:

Validate, modify, and propose a service maintenance process to the LFF in order to obtain more accurate supply consumption factors.

SCN: 29-920405  
CNA No.: TBD  
Title: Use of Alternate Support to Perform Maintenance that is Beyond Inherent Command Capabilities  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCAGCC  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

To determine the optimum approach to provide maintenance support for Marine Corps tactical equipment located in the MCAGCC Equipment Allowance Pool (EAP).

SCN: 29-920406  
Title: Amphibious Warfare School CSS Sustainment and Supportability Capabilities  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed May 1992  
DTIC No.: AD-B164818  
Summary:

Develop a prototype wargaming/simulation device which will expand and reinforce the CSS knowledge which Marine captains of any MOS should master prior to graduation.

SCN: 29-920407  
Title: CSS Task Organization Criteria  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed December 1993  
DTIC No.: Pending  
Summary:

Determine how the personnel criteria and task organization procedures currently in place should be redesigned to meet operational requirements in 1995 and beyond.

SCN: 29-920408  
Title: Depot Maintenance Activity Review  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: HQMC (I&L)  
Performing Activity: PRC  
Time Frame: Long Range  
Status: Completed December 1993  
DTIC No.: Pending  
Summary:

Develop a long range program that addresses the depot maintenance capabilities necessary to meet the future requirements of the Marine Corps for the next fifteen years.

SCN: 29-920409  
CNA No.: TBD  
Title: Marine Aviation Logistics Support in SWA  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: N/A  
Status: Canceled  
DTIC No.: N/A  
Summary:

Examines the effectiveness of Marine Aviation Logistics during Operation Desert Shield/Storm.

SCN: 29-920410  
CNA No.: CRM 93-152  
Title: Planning Factors Approach (Phase II)  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (C&P)/HQMC (I&L/R&P)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed August 1993  
DTIC No.: AD-B171082  
Summary:

Develop a methodology for determining planning factors for all classes of supplies and reconcile the competing needs of both acquisition issues for the POM and sustainability issues for MAGTF planners.

SCN: 29-920411  
CNA No.: CRM 91-206  
Title: Marine Corps Transportation Support in Operation Desert Shield/Storm  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: N/A  
Summary:

Examination of the role motor transport, materiel-handling equipment, and intra-theater air transport in supporting I MEF during Operation Desert Shield/Storm.

SCN: 29-920412  
CNA No.: CRM 91-210  
Title: Marine Corps Maintenance Support in Operation Desert Shield/Storm  
Category: Installations and Logistics  
Classification: Confidential  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: N/A  
Summary:

Examination of maintenance support to the Marine Corps forces during Operation Desert Shield/Storm.

SCN: 29-920413  
CNA No.: CRM 91-209  
Title: Marine Corps Supply Support in Operation  
Desert Shield/Storm  
Category: Installations and Logistics  
Classification: Secret  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed February 1992  
DTIC No.: N/A  
Summary:

Examination of supply support in the 1st Marine Expeditionary Force during Operation Desert Shield/Storm.

SCN: 29-920414  
CNA No.: CRM 91-201  
Title: Marine Corps Engineer Support in Operation  
Desert Shield/Storm  
Category: Installations and Logistics  
Classification: Confidential  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed February 1992  
DTIC No.: N/A  
Summary:

Examination of engineering support to Marine Corps forces during Operation Desert Shield/Storm.

SCN: 29-920415  
CNA No.: CRM 92-58  
Title: Marine Corps Desert Storm Reconstruction  
Report - Volume III: Logistic Support of  
Ground Combat Forces  
Category: Installations and Logistics  
Classification: Secret  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed July 1992  
DTIC No.: N/A  
Summary:

Description of Marine Combat Service Support during Operation Desert Storm. Addresses transportation, supply, engineering, maintenance, and health services.

SCN: 29-920416  
CNA No.: CRM 92-115  
Title: MPS Maintenance Site Study  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: HQMC (I&L)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed August 1992  
DTIC No.: AD-B167142  
Summary:

Examination of the options for the maintenance of equipment on MPS. The study showed that alternatives to Blount Island exist and ranks those options by cost.

SCN: 29-920417  
CNA No.: CRM 92-77  
Title: The Effect of Operation Desert Shield/  
Storm Operations on Planned Ship Depot  
Maintenance  
Category: Installations and Logistics  
Classification: Secret  
Sponsor: MCCDC (DOC)/OP-08  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed June 1992  
DTIC No.: N/A  
Summary:

Review of the changes to the planned maintenance schedules of MPS ships and, for ships that experienced significant delays in maintenance, it evaluates the effect of these delays on material readiness.

SCN: 29-920501  
Title: Life Cycle Cost Analysis for the Advanced Amphibious Assault (AAA) Program  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: DRPM (AAA)  
Performing Activity: ASEC  
Time Frame: Long Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Develop life cycle cost analyses for the AAA program and its alternatives to meet Defense Acquisition Board milestone requirements.

SCN: 29-920502  
CNA No.: CRM 93-112  
Title: Simulation Offset to Live-Fire Training  
(Phase I)  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed September 1993  
DTIC No.: AD-B167833  
Summary:

The primary focus of the study is on training simulators and devices and how they may supplement, complement, or substitute for live-fire training using Class V(W) ammunition.

SCN: 29-920504  
Title: LAV-105 COEA  
Category: Science, Technology, Systems, and  
Equipment  
Classification: N/A  
Sponsor: LAVPM  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled - Program Terminated  
DTIC No.: N/A  
Summary:

Provide a requirement based COEA for the LAV-105 program.

SCN: 29-920505  
Title: Advanced Amphibious Assault Peacetime  
Mission Profile  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed December 1993  
DTIC No.: Not held by DTIC  
Summary:

Compile data that constitutes a Peacetime Mission Profile to supplement the already existing Wartime Mission Profile.

SCN: 29-920506  
Title: 155mm Moritzer Feasibility Analysis  
Category: Science, Technology, Systems, and Equipment  
Classification: Secret  
Sponsor: MARCORSYSCOM  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Analyze and evaluate the feasibility of using a base-plated howitzer, or "moritzer", in meeting the requirements for a LTWT 155 System.

SCN: 29-920507  
CNA No.: TBD  
Title: USMC Requirements for Air Tactical Refueling Beyond the Year 2005 (KC-130 Replacement Aircraft Requirements)  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: HQMC (APW)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Determine the number of KCX aircraft required beyond the year 2005 to include operational, training, pipeline, and attrition.

SCN: 29-920508  
CNA No.: CRM 93-97  
Title: Advanced Amphibious Assault Program COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed June 1993  
DTIC No.: AD-B184941  
Summary:

Updated COEA of SCN DM 901003 which was completed in July 1990. Presents the results of the Advanced Amphibious Assault Ship-to-Shore performance analysis for a MEF.

SCN: 29-920509  
CNA No.: CRM 91-270  
Title: Advanced Rocket System COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Secret  
Sponsor: HQMC (AVN) and COMNAVPAIRSYS.COM  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed June 1992  
DTIC No.: N/A  
Summary:

COEA of the Advanced Rocket System (ARS) in support of a Milestone II decision on the program.

SCN: 29-920510  
CNA No.: CRM 92-64  
Title: Susceptibility Reduction Through Terrain Masking and Air Speed  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed July 1992  
DTIC No.: AD-B166481  
Summary:

This research memorandum describes how the altitude and airspeed of vertical takeoff landing aircraft affect the ability of a threat system to engage aircraft.

SCN: 29-920511  
CNA No.: CRM 92-100  
Title: Determining the Optimal Repair Requirements for New Marine Corps Avionics Test Equipment  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Mid Range  
Status: Completed August 1992  
DTIC No.: AD-B167090  
Summary:

Discussion of which avionics should be tested and repaired locally on CASS for the F/A-18, AV-8B, and AH-1W.

SCN: 29-920512  
CNA No.: CRM 92-155  
Title: MACE 2010: Aircraft and Systems Required  
for Offensive Air Support  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Secret  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed September 1992  
DTIC No.: N/A  
Summary:

Presentation of the results of CNA's analysis of fixed-wing aircraft and systems required for the Offensive Air Support (OAS) function of Marine aviation.

SCN: 29-920601  
Title: Marine Corps Lessons Learned System  
Category: Management  
Classification: Unclassified  
Sponsor: MCCDC (INT)  
Performing Activity: PSE  
Time Frame: Mid-Range  
Status: Completed April 1992  
DTIC No.: AD-B170181  
Summary:

To provide feasible alternatives on how the Marine Corps Lessons Learned System can most effectively support the Marine Corps, integrate into the Concept Based Requirements System, conduct the Remedial Action Program, and distribute both classified and unclassified operational information.

SCN: 29-920602  
Title: Mobile Electric Power (MEP) Acquisition  
Management Analysis  
Category: Management  
Classification: Unclassified  
Sponsor: HQMC (I&L)  
Performing Activity: NPGS  
Time Frame: Mid-Range  
Status: Completed September 1992  
DTIC No.: AD-B171043  
Summary:

Determine and verify adequacy of the MEP requirement and subsequent acquisition objectives for current and future MEP assets.

SCN: 29-920603  
Title: Production-Weighted Qualified Military Availables: A Review of the Methodology and Further Analysis  
  
Category: Management  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed December 1991  
DTIC No.: Not held by DTIC  
Summary:

Evaluation of the method for allocating recruiters and recruiting quotas that is based on the production-weighted military availables.

SCN: 29-920604  
CNA No.: CIM 188  
Title: LOTUS 1-2-3 Spreadsheet for Allocating Marine Corps Recruiter Support Funding  
  
Category: Management  
Classification: Unclassified  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed December 1991  
DTIC No.: Not held by DTIC  
Summary:

Explanation of how to use the CNA Support Funding model to create a LOTUS 1-2-3 spreadsheet of funding allocations.

SCN: 29-920605  
CNA No.: CRM 91-260  
Title: Summary of Marine Corps Operations Analysis Group (MCOAG) Field Work - FY 1991  
  
Category: Management  
Classification: Unclassified  
Sponsor: CNA  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed January 1992  
DTIC No.: AD-B165898  
Summary:

Summary of the work completed by the MCOAG field representative in FY 1991.

SCN: 29-920701  
Title: Inter-Agency Terrorism Response Awareness Program  
  
Category: Intelligence  
Classification: Secret  
Sponsor: ASD (SOLIC)  
Performing Activity: KAPOS  
Time Frame: Short Range  
Status: Completed August 1992  
DTIC No.: Not held by DTIC - Special Access Information  
  
Summary:

Develop prototype training tools that can be used to support an inter-agency terrorism response awareness and readiness training program.

SCN: 29-920702  
Title: Joint Intelligence Center Exercise (JICEX)  
Classification: Secret  
Category: Intelligence  
Sponsor: NMITC  
Performing Activity: MSA  
Time Frame: Mid-Range  
Status: Completed October 1993  
DTIC No.: N/A  
  
Summary:

Revise the presently utilized tactical training situation at NMITC to reflect current doctrine in the area of Amphibious Warfare and Command and Control. The INTACTRASIT is woefully short of providing students with any meaningful background on the amphibious movement and assault phases.

SCN: 29-920703  
Title: System Threat Assessment for the Tactical Combat Operations (TCO) (1992-2010)  
  
Category: Intelligence  
Classification: Secret/NOFORN  
Sponsor: HQMC (INTEL)  
Performing Activity: N/A  
Time Frame: Long Range  
Status: Canceled  
DTIC No.: N/A  
  
Summary:

Study expanded to address MTACCS - See SCN 29-920704.

SCN: 29-920704  
Title: System Threat Assessment (STA) for the  
Marine Tactical Command and Control System  
(MTACCS) (1992-2010)  
Category: Intelligence  
Classification: Secret NOFORN  
Sponsor: HQMC (INTEL)  
Performing Activity: PRC  
Time Frame: Long Range  
Status: Completed December 1992  
DTIC No.: N/A  
Summary:

Assess the current and projected Russian-led confederation and regional threats to the MTACCS, especially to the communications connectivity of each MAGTF type in the full spectrum of conflict through the year 2010.

SCN: 29-920707  
Title: Desert Shield/Storm Core Analysis  
Category: Intelligence  
Classification: Secret  
Sponsor: MCCDC (DOC)  
Performing Activity: PSE  
Time Frame: N/A  
Status: Completed December 1992  
DTIC No.: N/A  
Summary:

The objective of this effort is to collect, organize, and analyze information collected from operations in SouthWest Asia which is part of the Battle Reconstruction Management Information System.

### **3.4. Fiscal Year 1993**

SCN: 29-930101  
Title: Personnel Requirements to Support C4I Systems/Equipment in FY97/98  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (C4I)  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Determine if the optimum personnel structure is in place to support the C4I systems and individual equipment approved in the FY92-FY96 Projected Operating Material (POM).

SCN: 29-930103  
CNA No.: CAB 93-20  
Title: Job Performance Surrogates in Combat  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed September 1993  
DTIC No.: Pending  
Summary:

Investigation into the feasibility of constructing a data base which will relate AFAB scores to performance in combat.

SCN: 29-930104  
CNA No.: TBD  
Title: OASD Cost Performance Trade-Off  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

To identify the feasibility of ascribing costs (recruiting, training, and maintenance) to accession characteristics, and to completely review OASD's Cost-Performance Trade-Off Model as it pertains to the Marine Corps.

SCN: 29-930105  
CNA No.: CRM 93-203  
Title: **First Term Marriages and Dependency**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

Determine if married Marines are better Marines in terms of overall performance and thus worth the additional cost to the Marine Corps.

SCN: 29-930106  
CNA No.: TBD  
Title: **MOS Assignment, Allocation, and Incentive Analysis**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

An evaluation of the effectiveness of the current military occupational specialty scheme at meeting the accession, training, assignment, and promotion requirements of the Marine Corps.

SCN: 29-930107  
CNA No.: CRM 92-189  
Title: **Career Reenlistments in the Marine Corps:  
FY 1980 - FY 1991**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed January 1993  
DTIC No.: AD-B174149  
Summary:

Analysis of the 1980-1991 reenlistment decisions of enlisted Marines with 6 through 14 years of service.

SCN: 29-930108  
CNA No.: CRM 92-212  
Title: Validity of Electronics Composite for Predicting Success in Electronics Training School  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1993  
DTIC No.: AD-B175771  
Summary:

The EL composite of the ASVAB is investigated as to its validity in predicting success of students.

SCN: 29-930109  
CNA No.: CRM 92-175  
Title: Modifications to the Method for Determining First-Term Reenlistments  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1993  
DTIC No.: AD-B175646  
Summary:

Discussion of the FY 93 changes in the method used to determine first-term reenlistment targets by primary MOS.

SCN: 29-930110  
CNA No.: CRM 92-192  
Title: Relationship Between ASVAB and Mechanical Maintenance Job Performance  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1993  
DTIC No.: AD-B175782  
Summary:

Documentation of the ability scores from ASVAB test to predict several measures of mechanical maintenance performance.

SCN: 29-930111  
CNA No.: CRM 92-200  
Title: First-Term Attrition in the Marine Corps  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1993  
DTIC No.: AD-B175660  
Summary:

Overview of first-term attrition in the Marine Corps.

SCN: 29-930112  
CNA No.: CRM 92-213  
Title: Enlisted Marine Corps Endstrength: A  
Category: Disaggregated Look  
Classification: Manpower and Personnel  
Sponsor: Unclassified  
Performing Activity: HQMC (M&RA)  
Time Frame: CNA  
Status: Short Range  
DTIC No.: Completed June 1993  
AD-B177331  
Summary:

Transition models of 36 Marine Corps occupational fields are evaluated.

SCN: 29-930113  
CNA No.: CRM 93-131  
Title: Targeting Officer Recruiting Goals and Resources  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1993  
DTIC No.: Pending  
Summary:

Addresses whether the Marine Corps can improve the way it allocates recruiting goals and resources to take advantage of regional variations in race/ethnicity.

SCN: 29-930114  
CNA No.: CRM 93-81  
Title: Officer Accession Characteristics and Success at Officer Candidate School, Commissioning, and The Basic School  
  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1993  
DTIC No.: Not held by DTIC  
Summary:

An analysis of the completion of OCS, survival to commissioning, and class rank at TBS.

SCN: 29-930115  
CNA No.: CRM 92-225  
Title: Lateral Occupational Specialty Moves  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed September 1993  
DTIC No.: Pending  
Summary:

Historical analysis of the success of lateral occupational specialty moves.

SCN: 29-930201  
Title: Mission Area Analysis MA 11 - Command and Control  
  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed October 1993  
DTIC No.: Pending  
Summary:

Addresses the capabilities required to command and control units performing MAGTF missions to include over-horizon command and control of tactical units.

SCN: 29-930204  
Title: Mission Area Analysis MA 46 - Services  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed December 1993  
DTIC No.: Pending  
Summary:

Addresses those capabilities required to provide combat service support to employed expeditionary forces performing land warfare missions.

SCN: 29-930206  
Title: Mission Area Analysis MA 12 - Intelligence (Update)  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

Addresses the capabilities to collect, process, and disseminate information and intelligence in support of air, land, and amphibious operations.

SCN: 29-930208  
Title: Mission Area Analysis MA 13 - Security  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed December 1993  
DTIC No.: Pending  
Summary:

Addresses those capabilities for maintaining a defensive posture against actions that include conventional, unconventional, terrorist, chemical, nuclear, and biological attacks.

**SCN:** 29-930209  
**Title:** Mission Area Analysis MA 15 - Special Operations  
**Category:** Concepts and Plans  
**Classification:** Unclassified  
**Sponsor:** MCCDC (C&P)  
**Performing Activity:** Internal Marine Corps Working Group/PRC  
**Time Frame:** Mid-Range  
**Status:** Completed January 1994  
**DTIC No.:** Pending  
**Summary:**

Addresses those capabilities required to conduct operations by specially trained, equipped, and organized forces when use of conventional forces is either inappropriate or infeasible.

**SCN:** 29-930210  
**Title:** Remotely Determining Suitability of Amphibious Landing Beaches  
**Category:** Concepts and Plans  
**Classification:** Unclassified  
**Sponsor:** HQMC (Intel)  
**Performing Activity:** N/A  
**Time Frame:** Mid-Range  
**Status:** Canceled  
**DTIC No.:** N/A  
**Summary:**

Identify current and projected non-DoD coastal data bases which could be used by MCIC to provide updated and current coastal information to deploying or forces preparing to conduct amphibious operations.

**SCN:** 29-930211  
**Title:** Capabilities Review System (CRS)  
**Category:** Concepts and Plans  
**Classification:** Unclassified  
**Sponsor:** MCCDC (C&P)  
**Performing Activity:** N/A  
**Time Frame:** Mid-Range  
**Status:** Canceled  
**DTIC No.:** N/A  
**Summary:**

Determine CRS functional requirements, determine and technically define the associated Combat Development Process (CDP) and CRS process.

SCN: 29-930212  
CNA No.: CRM 93-132  
Title: **Rapid Deployment of Expeditionary Airfield (EAF) Equipment**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

Determine the availability of more deployable EAF equipment and/or identify better deployment methods in order to enhance deployment of the MAGTF Aviation Combat Element and increase flexibility.

SCN: 29-930213  
Title: **Mission Area Analysis MA 24 - Fire Support**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed October 1993  
DTIC No.: AD-B175771  
Summary:

Addresses those conventional, nuclear, and chemical capabilities and support related to the use of tactical combat power against threat ground maneuver forces .

SCN: 29-930214  
CNA No.: CRM 92-18  
Title: **MACE 2010 Electronic Warfare Effectiveness**  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed April 1992  
DTIC No.: Not held by DTIC  
Summary:

Study concentrates on the EW aspects of the MACE 2010 effort. Description of the effectiveness analysis of various force mixes.

SCN: 29-930215  
CNA No.: CIM 215  
Title: Marine Aviation Combat Element (MACE)  
2010: Assault Support Transport Concept  
of Operations  
Category: Concepts and Plans  
Classification: Confidential  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed May 1992  
DTIC No.: Not held by DTIC  
Summary:

Discussion of the Assault Support Transport (AST) function of Marine Aviation, including the role of AST in 2010.

SCN: 29-930216  
Title: Mission Area Analysis MA 32 Anti-Air Warfare  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

Investigation of the Marine Corps' mission requirements for anti-air warfare for the period FY93-FY03. AAW tasks, their frequency of occurrence, and the conditions under which they must be performed are addressed.

SCN: 29-930217  
CNA No.: TBD  
Title: Operational Maneuver from the Sea:  
Project CULEBRA  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: MCCDC (S&A)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Study objective is to refine the concept of Operational Maneuver From the Sea (OMFTS) and explore what its implementation means for combat development.

SCN: 29-930218  
Title: Command and Control Concept Development Game  
  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (S&A)  
Performing Activity: MCCDC S&A Division (Analysis Branch)  
Time Frame: Mid-Range  
Status: Completed June 1993  
DTIC No.: Pending  
Summary:

Results of a war game held 5-9 April 1993. The C2 game was part of an overall effort to develop a C2 functional concept for the Marine Corps and was a natural progression from the OMFTS War Game held at MCCDC in late 1992.

SCN: 29-930219  
CNA No.: TBD  
Title: The Marine Corps and Humanitarian Assistance Operations  
  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&SW)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Examination of how the Marine Corps can best conduct humanitarian assistance operations. The study is broad in scope commencing with a historical review which concentrates on lessons learned from 1990 to the present.

SCN: 29-930220  
Title: A Concept for Command and Control in the MAGTF  
  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Study focuses on the development of a command and control concept that will delineate the fundamental principles of command and control and describe how these principles will function in the realm of operational concepts.

SCN: 29-930221  
CNA No.: CRM 93-10  
Title: Individual Training for Mission Area Analysis of Marine Corps Training Concepts and Plans  
Category: Unclassified  
Classification: MCCDC (T&E)  
Sponsor: CNA  
Performing Activity: Mid-Range  
Time Frame: Completed June 1993  
Status: Pending  
DTIC No.:  
Summary:

Documentation of a survey of Marine Corps individual training conducted in support of the Mission Area Analysis for Training.

SCN: 29-930222  
CNA No.: CRM 93-113  
Title: Collective Training for Mission Area Analysis of Marine Corps Training Concepts and Plans  
Category: Unclassified  
Classification: MCCDC (T&E)  
Sponsor: CNA  
Performing Activity: Mid-Range  
Time Frame: Completed July 1993  
Status: Pending  
DTIC No.:  
Summary:

Documentation of a survey of Marine Corps collective training conducted in support of the Mission Area Analysis for Training.

SCN: 29-930301  
CNA No.: TBD  
Title: OPTEMPO and Readiness (renamed Training Readiness)  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Develop a methodology to measure the effect changes in ground OPTEMPO have on readiness. Specifically, determine how ground OPTEMPO as measured by battalion field training days (BFTD) equates to readiness.

SCN: 29-930302  
 CNA No.: CRM 91-208  
 Title: **Marine Corps Combat Service Support Task Organization in Operation Desert Shield/Storm**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: MCCDC (REQ)  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed Oct 1992  
 DTIC No.: AD-B166409  
 Summary:

Description of the task organization of the 1st Service Support Group during Operation Desert Shield/Storm. Provides a preliminary assessment of the ability of 1st FSSG to support MARCENT forces.

SCN: 29-930303  
 CNA No.: CRM 92-52  
 Title: **MACE 2010 Project Wargame Final Report**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: HQMC (AVN)  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed Oct 1993  
 DTIC No.: N/A  
 Summary:

Final report of wargame which exercised two different ACE structures - one high technology and the other reflected the minimum required capabilities.

SCN: 29-930304  
 Title: **AntiArmor Force Mix and Operational Mix**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: MARCORSYSCOM  
 Performing Activity: MCCDC S&A Division (Analysis Branch)  
 Time Frame: Mid-Range  
 Status: Completed October 1993  
 DTIC No.: Pending  
 Summary:

Goal of the study was to answer two antiarmor acquisition related questions. First, is the current HAW-MAW-LAW approach to antiarmor operations a viable tactical method? Second, given various weapons mixes, which are most effective?

SCN: 29-930305  
CNA No.: TBD  
Title: Operation RESTORE HOPE Reconstruction and Analysis  
  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (INT)  
Performing Activity: CNA  
Time Frame: N/A  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Consolidate, organize, and analyze information collected during Operation Restore Hope to aid in the planning, training, and development of SOPs for future operations.

SCN: 29-930306  
CNA No.: CRM 93-97  
Title: USMC Fixed-Wing Tactical Air Strikes During Operation DESERT STORM  
  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: VCNO and COMSEVENTHFLT  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed October 1993  
DTIC No.: N/A  
Summary:

Summarizes USMC fixed-wing sorties flown during Operation DESERT STORM from 17 January to 27 February 1991.

SCN: 29-930307  
CNA No.: CRM 93-107  
Title: USMC Desert Storm TACAIR Database  
  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: VCNO and COMSEVENTHFLT  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed October 1993  
DTIC No.: N/A  
Summary:

Database contains mission data and USMC TACAIR strikes conducted during Operation DESERT STORM.

SCN: 29-930308  
CNA No.: CRM 93-120  
Title: Rule of Engagement (ROE) for Humanitarian Intervention  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: I MEF  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1993  
DTIC No.: Pending  
Summary:

Examination of the ROE for USMC and USA ground forces participating in Operation RESTORE HOPE.

SCN: 29-930309  
CNA No.: CRM 93-140  
Title: Military Relations with Humanitarian Relief Organizations (HROs): Operation RESTORE HOPE  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: I MEF  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed October 1993  
DTIC No.: Pending  
Summary:

An examination of military-HRO relations in threat operation. Suggests options that commanders could consider to improve relations.

SCN: 29-930310  
CNA No.: CRM 93-95  
Title: Crisis Action Planning for Operation RESTORE HOPE  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: I MEF  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed November 1993  
DTIC No.: N/A  
Summary:

Documentation of the planning process for Operation RESTORE HOPE from the perspective of I MEF.

SCN: 29-930403  
Title: Automation of Marine Corps Exercise Building, Personnel, Supply, and Maintenance Modules for Use Within the Combat Service Support Training Simulation System (CSSTSS)  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (DOC)  
Performing Activity: CASCOM  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Automate the capability to build Marine Corps units and their inherent task organization capabilities for use in unit CPXs and LOGEX 93 and 94.

SCN: 29-930404  
CNA No.: TBD  
Title: Shore Support for Fleet Marine Forces in the Western Pacific  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (INT)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

This study attempts to estimate the value of Japanese bases to FMF operations to the year 2000. Additionally, it assesses U.S. tenure at existing bases and the availability of possible alternatives.

SCN: 29-930405  
CNA No.: CRM 93-119  
Title: Battle Damage Assessment and Repair (BDAR) Model  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed June 1993  
DTIC No.: AD-B177307  
Summary:

A description of the Battle Damage and Assessment (BDAR) model, a computer model developed at CNA to analyze how BDAR affects Marine Corps maintenance policies.

SCN: 29-930406  
CNA No.: CRM 92-150  
Title: Alternative Methodologies for Marine Corps Planning Factors  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (S&A)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed July 1993  
DTIC No.: Pending  
Summary:

Description of possible alternative methodologies for determining Marine Corps logistics planning factors.

SCN: 29-930502  
Title: Mobile Electric Power Optimization Model  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (S&A)  
Performing Activity: NPS  
Time Frame: Mid-Range  
Status: Completed December 1992  
DTIC No.: AD-B169029  
Summary:

Develop a methodology that can be used to determine the type and quantity of mobile electric power generators necessary to meet current and future total Marine Corps electrical demand.

SCN: 29-930503  
Title: Object-Oriented Modeling and Analysis of a Marine Corps Communications Architecture  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (S&A)  
Performing Activity: NPS  
Time Frame: Mid-Range  
Status: Completed December 1992  
DTIC No.: AD-A246995  
Summary:

Develop a communications architecture analysis model which will give decision makers, analysts, and communications officers the ability to quantify the effectiveness of alternative tactical radio system configurations within a given MAGTF.

**SCN:** 29-930504  
**Title:** Medium Tactical Vehicle Replacement (MTVR)  
**Category:** COEA  
Science, Technology, Systems, and Equipment  
**Classification:** Unclassified  
**Sponsor:** MCCDC (REQ)  
**Performing Activity:** MCCDC S&A Division (Analysis Branch)/PSE  
**Time Frame:** Mid-Range  
**Status:** Completed September 1993  
**DTIC No.:** Pending  
**Summary:**

Evaluate and compare the alternatives for replacing the existing fleet of M809 and M939 series 5 ton medium tactical trucks.

**SCN:** 29-930505  
**Title:** Tactical Combat Operations (TCO) COEA  
**Category:** Science, Technology, Systems, and Equipment  
**Classification:** Unclassified  
**Sponsor:** MCCDC (REQ)  
**Performing Activity:** MCCDC S&A Division (Analysis Branch)/PSE  
**Time Frame:** Mid-Range  
**Status:** Completed October 1993  
**DTIC No.:** Pending  
**Summary:**

Analyze the requirements and alternatives relative to the TCO functions of MTACCS developed to date and provide recommendations to the proponent, program office, and the decision making authority.

**SCN:** 29-930506  
**Title:** LAV Day/Night Sight COEA  
**Category:** Science, Technology, Systems, and Equipment  
**Classification:** Unclassified  
**Sponsor:** MCCDC (REQ)  
**Performing Activity:** MCCDC S&A Division (Analysis Branch)/PSE  
**Time Frame:** Mid-Range  
**Status:** Completed January 1993  
**DTIC No.:** AD-B171468  
**Summary:**

Compare and evaluate various day/night sight alternatives for LAVs and determine their operational/cost effectiveness.

SCN: 29-930507  
Title: Technical Control and Analysis Center  
Category: Product Improvement Program COEA  
Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed February 1993  
DTIC No.: Pending  
Summary:

Compare and evaluate various Technical Control and Analysis Center improvement alternatives and determine their operational/cost effectiveness.

SCN: 29-930508  
Title: M9 Armored Combat Earthmover (ACE) COEA  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed December 1992  
DTIC No.: AD-B171467  
Summary:

Compare and evaluate various options for an armored combat earthmover and determine their operational/cost effectiveness.

SCN: 29-930509  
Title: 81mm Infrared Flare Mortars Cartridges (IMC) COEA  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed December 1992  
DTIC No.: AD-B172329  
Summary:

Compare and evaluate various options for infrared flare mortar cartridge alternatives and determine their operational/cost effectiveness.

SCN: 29-930510  
Title: Ground Based Integrated Air Defense  
Command, Control and Early Warning System  
COEA  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) /PSE  
Time Frame: Mid-Range  
Status: Completed July 1993  
DTIC No.: Pending  
Summary:

Compare and evaluate various options for ground based integrated air defense command, control and early warning systems and determine their operational/cost effectiveness.

SCN: 29-930511  
Title: Automated Nuclear, Biological, and  
Chemical Hazard Information and Warning  
(NBC HAZWARN) System COEA  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) /PSE  
Time Frame: Mid-Range  
Status: Completed July 1993  
DTIC No.: AD-B175808  
Summary:

Compare and evaluate various options for NBC HAZWARN systems and determine their operational/cost effectiveness.

SCN: 29-930512  
Title: Amphibious Vehicle Mine Neutralization  
System (Mineplow/Rake) COEA  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) /PSE  
Time Frame: Mid-Range  
Status: Completed May 1993  
DTIC No.: AD-B175714  
Summary:

Compare and evaluate various options for an amphibious vehicle mine neutralization system and determine their operational/cost effectiveness.

SCN: 29-930513  
Title: Muzzle Velocity Measuring Set COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed February 1993  
DTIC No.: AD-B171466  
Summary:

Compare and evaluate various options for a muzzle velocity test set.

SCN: 29-930514  
Title: MAGTF Secondary Imagery Dissemination System COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed June 1993  
DTIC No.: AD-B172448  
Summary:

Compare and evaluate the military utility of alternatives which satisfy the requirement for a MAGTF Secondary Imagery Discrimination System (SIDS)

SCN: 29-930515  
Title: Combat Shotgun COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Compare and evaluate the various candidates for combat shotgun in support of a Milestone I decision.

SCN: 29-930516  
Title: Digital Circuit Card Tester COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) /PSE  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Analysis of the various options to improve or replace the AN/TTC-42 Unit Level Circuit Switch.

SCN: 29-930517  
Title: Hybrid Mobile Direct Air Support Central (HMDASC) COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) /PSE  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Analysis of HMDASC alternatives in support of a Milestone I decision.

SCN: 29-930518  
Title: Light Strike Vehicle (LSV) COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) /PSE  
Time Frame: Mid-Range  
Status: Completed May 1993  
DTIC No.: Pending  
Summary:

Analysis of LSV alternatives in support of a Milestone I decision.

SCN: 29-930519  
Title: Connectivity to the U.S. Army GUARDRAIL System COEA  
Category: Science, Technology, Systems and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) /PSE  
Time Frame: Mid-Range  
Status: Completed December 1993  
DTIC No.: Pending  
Summary:

Analysis of options available for the Marine Corps to be able to interface with the Army's GUARDRAIL System.

SCN: 29-930520  
Title: Magnetic Countermine System COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) /PSE  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Evaluation of various magnetic countermine system alternatives in support of a Milestone I decision.

SCN: 29-930521  
Title: Improved Rigid Raiding Craft (IRRC) COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) /PSE  
Time Frame: Mid-Range  
Status: Completed July 1993  
DTIC No.: AD-B175420  
Summary:

Analysis of the various IRRC options available in support of a Milestone I decision.

SCN: 29-930522  
Title: Improved Medium Machine Gun (IMMG) COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch/PSE)  
Time Frame: Mid-Range  
Status: Completed October 1993  
DTIC No.: Pending  
Summary:

Analysis of the various IMMG options available in support of a Milestone I decision.

SCN: 29-930523  
Title: Third Echelon Test Set  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed January 1994  
DTIC No.: AD-B179618L  
Summary:

Analysis of the various test set options available for a Milestone I decision.

SCN: 29-930524  
Title: Close Quarter Battle Weapon  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed September 1993  
DTIC No.: AD-B177599L  
Summary:

Analysis of the CQBW options in support of a Milestone I decision.

SCN: 29-930525  
Title: SIGINT Technologies  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

To identify SIGINT equipment and technologies which could be used to improve the Radio Battalions' ability to perform its mission.

SCN: 29-930526  
Title: Analysis of MAGTF Mission Area Equipment Assessment Packages  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (INT)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Short Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

Assess each package and define the criteria that is used to determine the size and capability block for each program.

SCN: 29-930527  
Title: Comparative Cost Analysis for the Short Range Assault Weapon (SRAW) COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Analysis of the various SRAW options available for a Milestone I/II acquisition decision.

SCN: 29-930528  
Title: Close Range UAV COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) / PSE  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Provides a review and documentation of close range UAV requirements, and a definition and evaluation of measures of supportability for close range UAV alternatives.

SCN: 29-930529  
Title: Near-Term Tactical Ballistic Missile Defense System COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch) / PSE  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Determine the relative advantages and disadvantages of each alternative TBMD based on cost effectiveness and comparison analysis.

SCN: 29-930530  
CNA No.: TBD  
Title: Maneuver Warfare Analytical and Research System Model  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (S&A)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

The study is designed to produce an analytical tool that analysts can personally use to support quick-reaction analyses and studies of concepts, doctrine, force structure, equipment, and sustainability.

SCN: 29-930531  
CNA No.: CRM 92-162  
Title: A Cost-and-Effectiveness Methodology for Evaluating Use of Simulators in Marine Corps Live-Fire Training  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1993  
DTIC No.: AD-B173742  
Summary:

Description of a methodology developed for use in Marine Corps training programs for use in live-fire training.

SCN: 29-930532  
CNA No.: CIM 238  
Title: Simulation Offset to Live-Fire Training (Phase II)  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed January 1993  
DTIC No.: AD-B173795  
Summary:

Identification of cost-effective ways of using simulators and training devices to complement, augment, or offset live-fire training.

SCN: 29-930702  
Title: Joint Intelligence Center Exercise (JICEX)/Field Exercise (FEX) Intelligence Training Scenario Situation (INTACTRASIT)  
Category: Intelligence  
Classification: Unclassified  
Performing Activity: MSA  
Time Frame: Mid-Range  
Status: Completed April 1993  
DTIC No.: N/A  
Summary:

Develop a JICEX/FEX Intelligence Tactical Training Situation for the Middle East based upon the current world situation. Additionally, develop a self-paced instructional package based upon the new scenario.

### **3.5. Fiscal Year 1994**

SCN: DM-940201  
Title: Mission Area Analysis MA 36 - Electronic Warfare  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion.  
Summary:

To address capabilities required to determine, exploit, reduce or prevent hostile use of the electromagnetic spectrum; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940202  
Title: Mission Area Analysis MA 33 - Assault Support  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: TBA  
Time Frame: Mid-Range  
Status: To be initiated FY94  
DTIC No.: To be assigned upon completion  
Summary:

To address capabilities related to those actions required for the airlift of personnel, supplies, and equipment into or within the battle area by helicopters or fixed-wing aircraft; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940203  
Title: Mission Area Analysis MA 22 - Ground Tactical Mobility/Countermobility  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To address the capabilities required to project and support deployed tactical forces including those efforts directly related to combat engineer efforts providing maneuverability to combat forces; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940204  
Title: Mission Area Analysis MA 34 - Offensive Air Support (Update)  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To address capabilities of air operations that actually deliver firepower against enemy ground forces for the destruction or neutralization of installations, equipment, and personnel; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940205  
Title: Mission Area Analysis MA 35 - Control of Aircraft, Missiles, and UAVs  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon completion  
Summary:

To address capabilities required to command and control tactical units performing aerial reconnaissance and offensive air support, antiair warfare, assault support, and electronic warfare missions; identify deficiencies; and identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940206  
Title: Mission Area Analysis MA 42 - Maintenance  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To determine capabilities and identify deficiencies and opportunities of the MAGTF to retain all air and ground material in a serviceable condition or to restore it to serviceability; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940207  
Title: Mission Area Analysis MA 44 -  
Category: Expeditionary Engineering  
Classification: Concepts and Plans  
Performing Activity: Unclassified  
Time Frame: TBD  
Status: Mid-Range  
DTIC No.: To be assigned upon completion  
Summary:

To address those capabilities related to military engineering support and service support for the landing force as a whole; identify deficiencies and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940208  
Title: Mission Area Analysis MA 41 - Supply  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To address those capabilities which provide air and ground amphibious forces with supply and supply maintenance support; capabilities required to retain material in a serviceable condition or to restore it to serviceability; capabilities required to provide combat service support to employed expeditionary forces performing land warfare missions; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940301  
Title: Evaluation of Marine Corps and Joint Force Deployment  
Category: Operations and Force Structure  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To determine the similarities/dissimilarities within the USMC of force deployment operations, procedures, and policies consistent with those required by the joint community.

SCN: DM-940302  
Title: Long Range Technology Assessment  
Category: Operations and Force Structure  
Classification: Unclassified  
Performing Activity: CNA  
Time Frame: Long-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

Identify technologies projected to be available during the period 1996-2016 and assessment their impact on Marine Corps mid-range combat force structure and combat development objectives.

SCN: DM-940303  
Title: Tactical Air Integration  
Category: Operations and Force Structure  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To examine and refine issues related to tactical air integration, from both the Marine and Navy perspective.

SCN: DM-940401  
Title: Planning Factors Approach (Phase III)  
Category: Installations and Logistics  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To develop an implementation plan of the Planning Factor calculation method selected by the Marine Corps and to develop any models necessary for calculating the individual planning factors.

SCN: DM-940402  
Title: Rapid Deployment of Expeditionary Airfield (EAF) Equipment  
Category: Installations and Logistics  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To identify more rapidly deployable EAF equipment and/or delivery methods (floating barges, geoprepositioned sites, etc.).

SCN: DM-940403  
Title: Battle Damage Assessment and Repair (BDAR)  
Category: Installations and Logistics  
Classification: Unclassified  
Performing Activity: LMI  
Time Frame: Mid-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

Determine which components/elements of other Service BDAR programs can be successfully adopted by the Marine Corps. Develop the "blue print" for a Marine Corps BDAR program that addresses policy/doctrine, the acquisition process, training, operations and sustainment planning, modeling and simulation, interservice cooperation, and criteria including equipment in the BDAR program. Formulate a proposed plan for initiating a Marine Corps BDAR program for ground equipment.

SCN: DM-940404  
Title: Dry Cell Battery Support to the Fleet Marine Force  
Category: Installations and Logistics  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

Determine the individual end items in the Marine Corps inventory that utilize dry cell batteries. Determine the specific dry cell batteries used by each end item, including primary and alternate battery types. Determine the daily consumption rate for each battery type when used in support of an individual end item. Determine the effect of the operating climate (temperate, tropical, or arctic) on the battery consumption rates for each end item. Develop a methodology for identifying Marine Corps battery-supported equipment and their respective consumption rates.

SCN: DM-940405  
Title: Application of LOGMARS Technology  
Category: Installations and Logistics  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Long-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

The study should include methods utilized to produce and manage on-site packing and inventory lists that can then be read in the area of operations by the receiving command to identify the contents of each container.

SCN: DM-940501  
Title: SIGINT Umbrella Study  
Category: Science, Technology, Systems, & Equipment  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Mid-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

To determine if changes in communications and non-communications mission factors will affect the MAGTF's ability to conduct tactical SIGINT operations and, if applicable, develop a plan and guidance to ensure MAGTF's retain effective organic and external support capabilities.

SCN: DM-940502  
Title: Theater Ballistic Missile (TBM) Command, Control, and Communications (C3)  
Category: Architecture Analysis within the Marine Air Command and Control System (MACCS)  
Classification: Sciences, Technology, Systems & Equipment  
Performing Activity: Unclassified  
Time Frame: TBD  
Status: Mid-Range  
DTIC No.: To be initiated in FY94  
Summary: To be assigned upon completion

To determine the C3 architecture needed to implement a TBM capability within the MACCS for the near, mid, and long term, while adhering to established doctrine, concepts, and manpower. To determine which agencies and platforms within the MACCS need to have Joint Tactical Information Distribution System (JTIDS) terminals in order for the MAGTF to provide an effective TBM capability.

SCN: DM-940503  
Title: C<sup>4</sup> Architecture Study  
Category: Sciences, Technology, Systems & Equipment  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Near, Mid, and Long-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

To determine the C<sup>4</sup>I information and information exchange requirements (GENSER and SCI), both internal and external, of the Marine Corps MAGTF and supporting establishment. To define a specific command and control system (C2S) architecture for the MAGTF and supporting establishment for the near-, mid-, and long-term.

SCN: DM-940504  
Title: Joint Tactical Information Distribution System (JTIDS) and Tactical Digital Information Link-J (TADIL-J) 1995-2010  
(Short Title: Study Directive JTIDS/TADIL-J 1995-2010)

Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Long-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

Revalidate and identify any deficiencies in the current plans to field the JTIDS/TADIL-J system to support high speed digital communications for the MAGTF in joint operations.

SCN: DM-940505  
Title: Meteorological and Oceanographic (METOC) Support  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Long-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

To develop an architecture and plan for providing METOC support to the MAGTF.

SCN: DM-940506  
Title: Simulation Offset to Live-Fire Training  
(Phase III)  
Category: Sciences, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Performing Activity: CNA  
Time Frame: Short Range  
Status: In progress  
DTIC No.: To be assigned upon completion  
Summary:

This study will assess the potential for using a simulator to offset some of the live rounds currently used for training. The scope of Phase III will specifically focus on the 0331 Machine Gunners Course at the School of Infantry-East (SOI-E).

## **APPENDIX 1**

### **STUDIES CONTROL NUMBERING SYSTEM FY 1991 - PRESENT**

1. All SCNs contain the Marine Corps DTIC accession indicator "29" or "DM" followed by six digits positioned as described below:

a. The first two positions indicate the last two digits of the fiscal year.

b. The third and fourth positions contain two digits identifying the category:

01 = Manpower and Personnel  
02 = Concepts and Plans  
03 = Operations and Force Structure  
04 = Installations and Logistics  
05 = Sciences, Technology, Systems, and Equipment  
06 = Management  
07 = Intelligence  
08 = International Security

c. The fifth and sixth positions contain a sequence number for each category.